BookletChart™

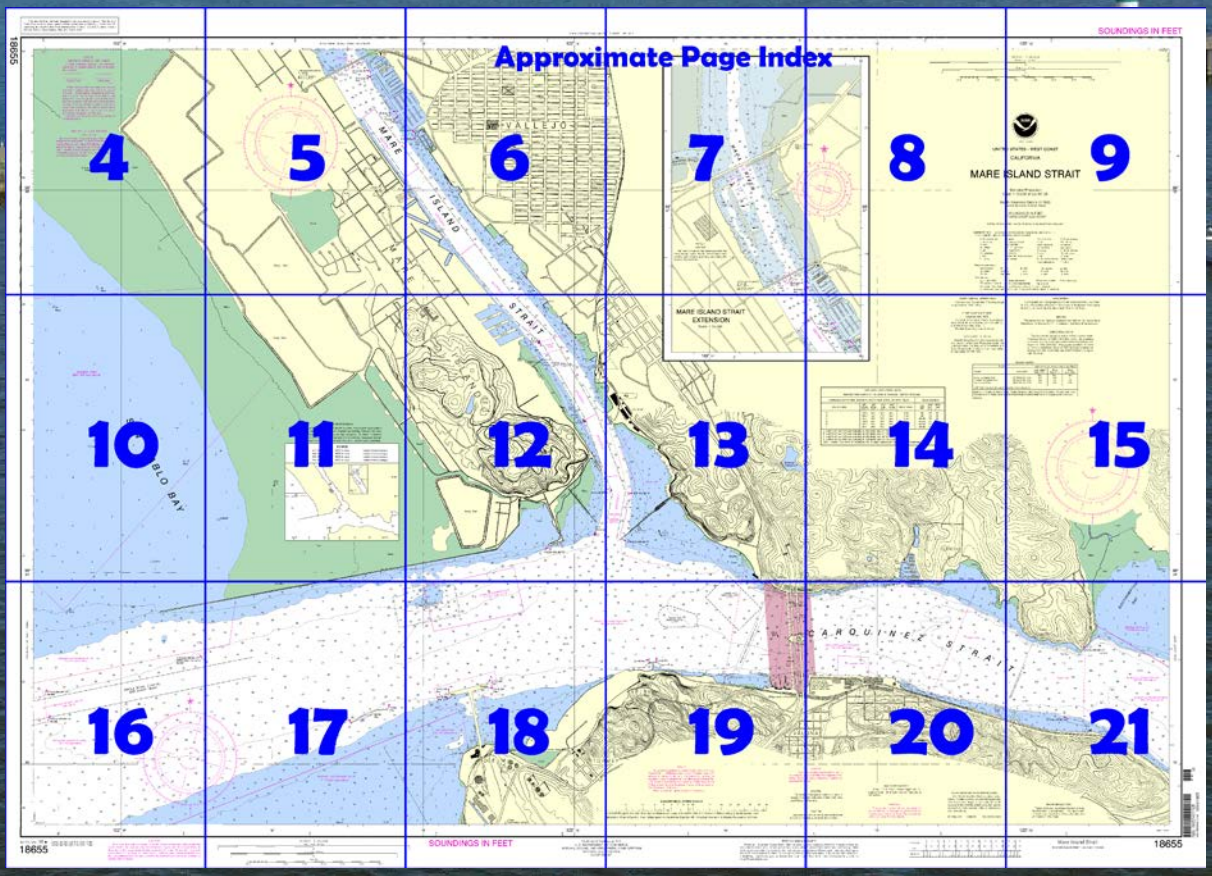
Mare Island Strait

NOAA Chart 18655

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.

- *Complete, reduced-scale nautical chart*
- *Print at home for free*
- *Convenient size*
- *Up-to-date with Notices to Mariners*
- *Compiled by NOAA's Office of Coast Survey, the nation's chartmaker*



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=18655.

(Selected Excerpts from Coast Pilot)
Mare Island Strait, at the mouth of the Napa River, is between the mainland and **Mare Island**. Vallejo is on the E side of the strait and the Mare Island Naval Shipyard is on the W side, about 2 miles above the S entrance. The project depth for the Mare Island Strait Channel, from the entrance to just S of the Vallejo-Mare Island Causeway Bridge, about 2.9 miles above the entrance, is 30 feet. (See Notice to Mariners and latest editions of charts for controlling depths.)

Notice.–Ships destined for **Mare Island U.S. Naval Shipyard** should await arrival of the Navy pilot at Carquinez Strait. The waters around Mare Island are included in a **restricted area.** (See **334.1100**, chapter 2, for limits and regulations.)
In 2010, shoaling to 14 feet was in the NW corner of Naval Anchorage 21, with shoaling to 5 feet in the adjacent disposal area.
A power cable crossing lower Mare Island Strait between Vallejo and Mare Island has a clearance of 206 feet. If the clearance between the masthead and the cable is less than 10 feet or if the clearance is not known, vessels shall not move under the cable without authority.
The entrance to Mare Island Strait is between two dikes. On the E side of the entrance, Dike No. 9 extends about 700 yards SW from the mainland and on the W side, Dike No. 14 extends about 500 yards SE from Mare Island; both dikes have submerged outer sections. Dike No. 9 is marked at the outer end by a light and Dike No. 14 is marked at the outer end by a lighted buoy.
Coast Guard Station Vallejo, about 2.5 miles above the entrance to Mare Island Strait just below the Vallejo-Mare Island causeway lift bridge, is on the E side of the strait.
Vallejo, on the E shore of Mare Island Strait, is the terminal of a railroad connecting interior N points. The shipyard, on the W side of Mare Island Strait, has drydocks and extensive facilities for repairing and building vessels of all sizes. A passenger ferry operates between Vallejo and San Francisco. Two small-craft facilities are also on the E side of the Mare Island strait. (See the small-craft facilities tabulation on chart 18652 for services and supplies available.)
The Vallejo-Mare Island causeway and lift bridge connect Mare Island with the city of Vallejo near the N end of the Naval Shipyard. It has a lift span with a clearance of 100 feet up and 12 feet down. (See **117.1 through 117.59 and 117.169**, chapter 2, for drawbridge regulations.)
The bridge is equipped with radiotelephone. The bridgetender monitors VHF-FM channel 16 and works on channel 13; voice call, Mare Island Causeway Bridge. Just above **Sears Point**, 1 mile above Vallejo, a fixed highway bridge with a clearance of 100 feet crosses the strait. A public fishing pier is close S of this bridge and extends about 350 yards from the E side of the strait. A Navy reserve fleet pier is on the W side of the strait between Vallejo-Mare Island causeway lift bridge and the fixed bridge just above Sears Point. If practical, approach the bridges only when running against the current. No passage should be attempted during the periods of peak flood or ebb current.
The **California State Maritime Academy** and pier are in **Morrow Cove**, on the N shore of the W entrance to Carquinez Strait.
Interstate Route 80 fixed highway bridges cross Carquinez Strait near its W entrance at **Semple Point**. The channel on each side of the center pier is 998 feet wide; the least clearance is 146 feet through the N span and 132 feet through the S span. Private sound signals are sounded at the bridge piers and racons are at the center of each span of the E bridge. Power cables cross the strait 0.3 mile W of the highway bridges and 1.2 miles E of it; the minimum clearance is 179 feet.
Crockett, on the S shore just E of the highway bridges, is built around The California and Hawai'ian Sugar Co. Refinery. The refinery's wharf has a 2,715-foot face with 2,815 feet of berthing space with dolphins, and a deck height of 12 feet. A depth of 30 feet is alongside.
A marina is on the S shore just W of the highway bridges, and a small-boat basin is in **Elliot Cove** on the N side of the strait opposite Crockett.

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Alameda	Commander 11th CG District Alameda, CA	(510) 437-3700

Table of Selected Chart Notes

Corrected through NM Oct. 21/06
Corrected through LNM Oct. 17/06

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

Note B

High speed ferries operate in the San Francisco Bay. Mariners are cautioned that these craft move very rapidly and may transit waterways at angles to the normal direction of traffic. Ferries may deviate from these routes if necessary. Mariners should exercise caution when transiting between the the origin or terminus of a charted ferry route and actual ferry docking facility. Go to www.sfmx.org for additional information on the Ferry Traffic Routing Protocol.

Mercator Projection
Scale 1:10,000 at Lat 38° 05'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

NOTE B

CAUTION

Mariners are warned that numerous uncharted piles, snags, pipes, shoals, obstructions and wrecks, some submerged, may exist along the edges of the waterway.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Mt. Pise, CA	KHB-49	162.40 MHz WX2

PROHIBITED AREA 334.1100

(see note A)

No vessel except those with proper federal authorization shall enter the area within 100 yards of the shore of Mare Island, from the Mare Island - Vallejo Fixed Bridge, around the southern end of the island, thence to the northwestern limit of the Navy Yard; nor shall vessels approach within 50 yards of any part of the berthing piers at the Navy Yard, including piers 34 and 35 at the south end of the island.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.285" southward and 3.887" westward to agree with this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 11th Coast Guard District in Alameda, California or at the Office of the District Engineer, Corps of Engineers in San Francisco, California.

Refer to charted regulation section numbers.

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Department of the Navy.

HEIGHTS

Elevations of rocks, bridges, landmarks and lights in feet above Mean High Water. Contour and summit elevations in feet above Mean Sea Level.

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Selby, Carquinez Strait	(38°03'N/122°15'W)	6.3	5.8	1.1
Crockett, Carquinez Strait	(38°04'N/122°13'W)	5.9	5.4	1.0
Mare Island Strait	(38°07'N/122°16'W)	5.9	5.4	0.9

NOTE: Note this chart also was requested for meter conversion.

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(Oct 2006)

MARE ISLAND STRAIT CHANNEL DEPTHS

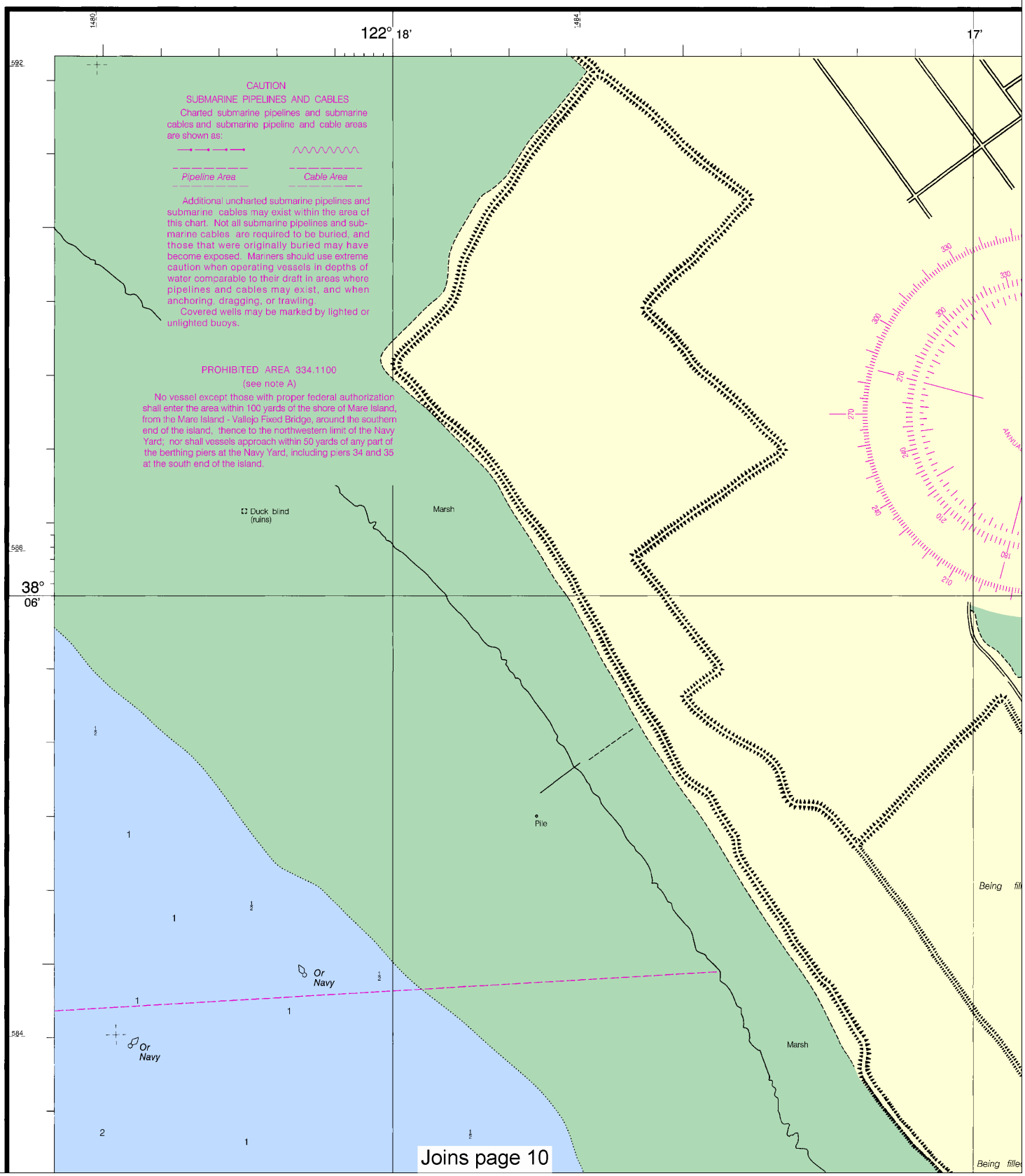
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2011

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				DATE OF SURVEY	PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER		WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
A	26.0	31.0	36.0	37.0	7-11	400	0.3	30
B	25.0	33.0	36.0	38.0	7-11	400	0.3	30
C	25.0	28.0	29.0	27.0	7-11	400-460	0.6	30
D	24.0	28.0	29.0	29.0	7-11	460-600	0.5	30
E	25.0	29.0	31.0	28.0	7-11	600-525	0.5	30
F	25.0	26.0	28.0	31.0	7-11	525-460	0.4	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

18655



4

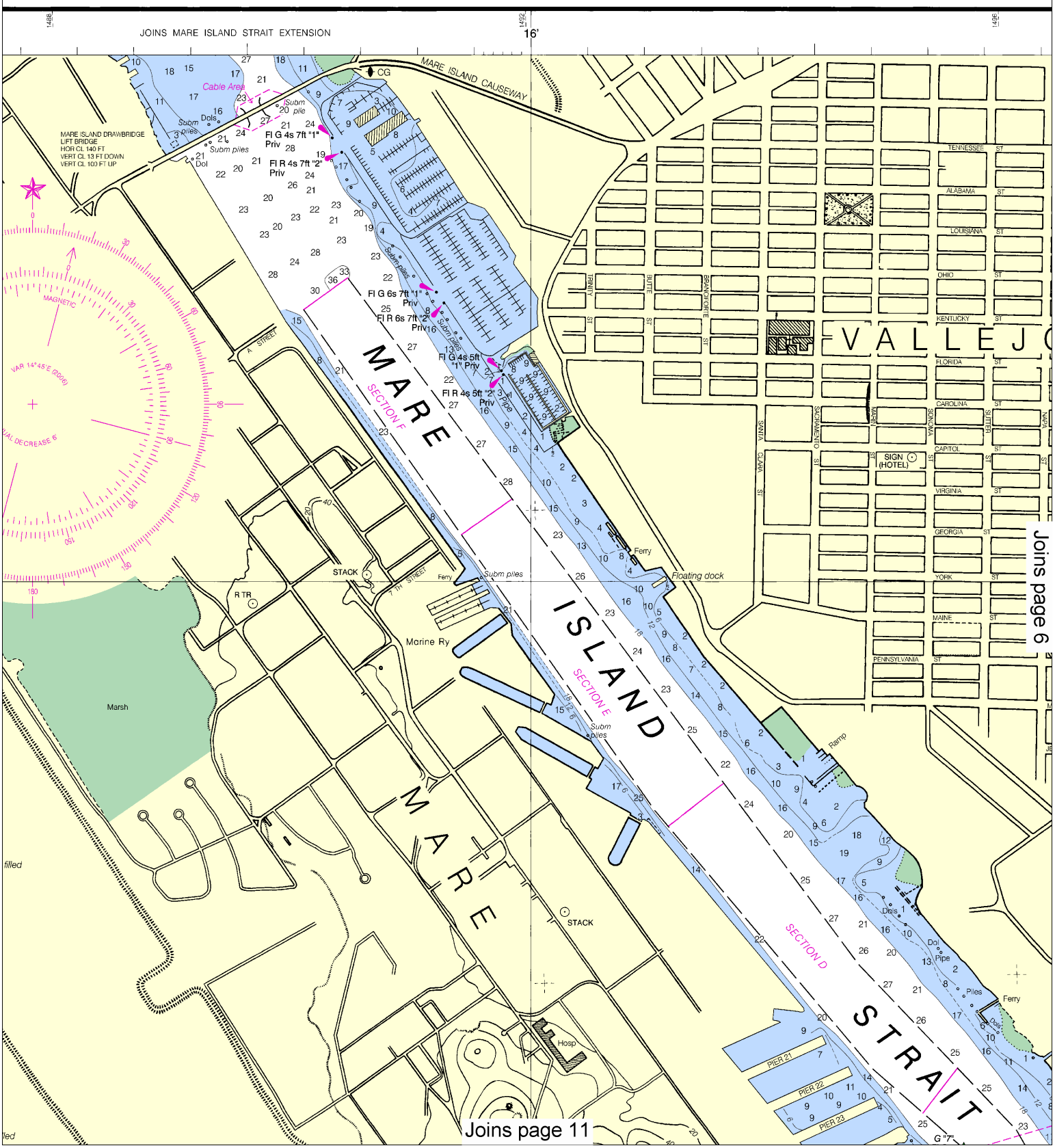
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

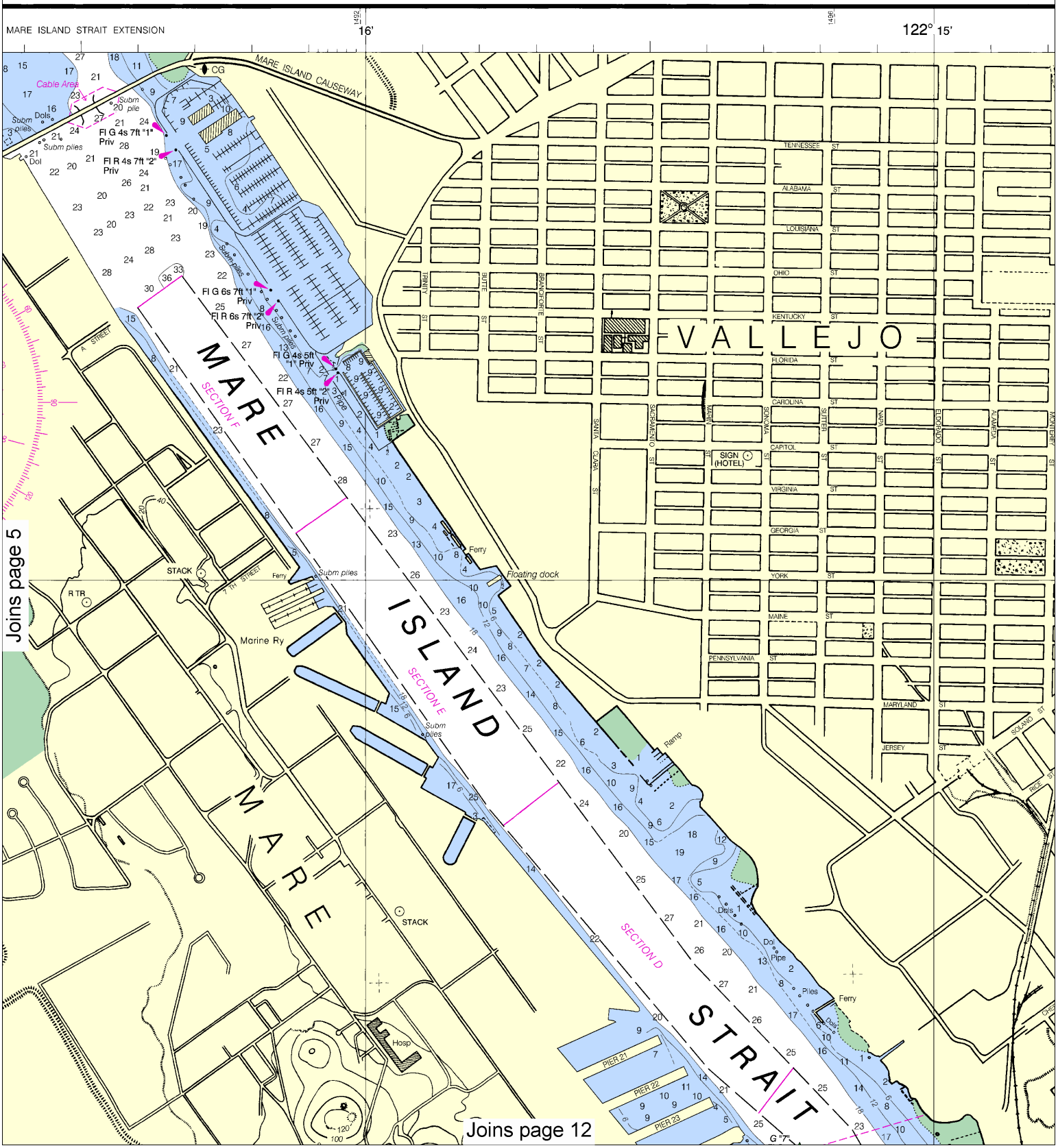
Nautical Miles 0

Yards 200 0 200 400 600 800 1000 1200

See Note on page 5.



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:13333. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.



Joins page 5

Joins page 12

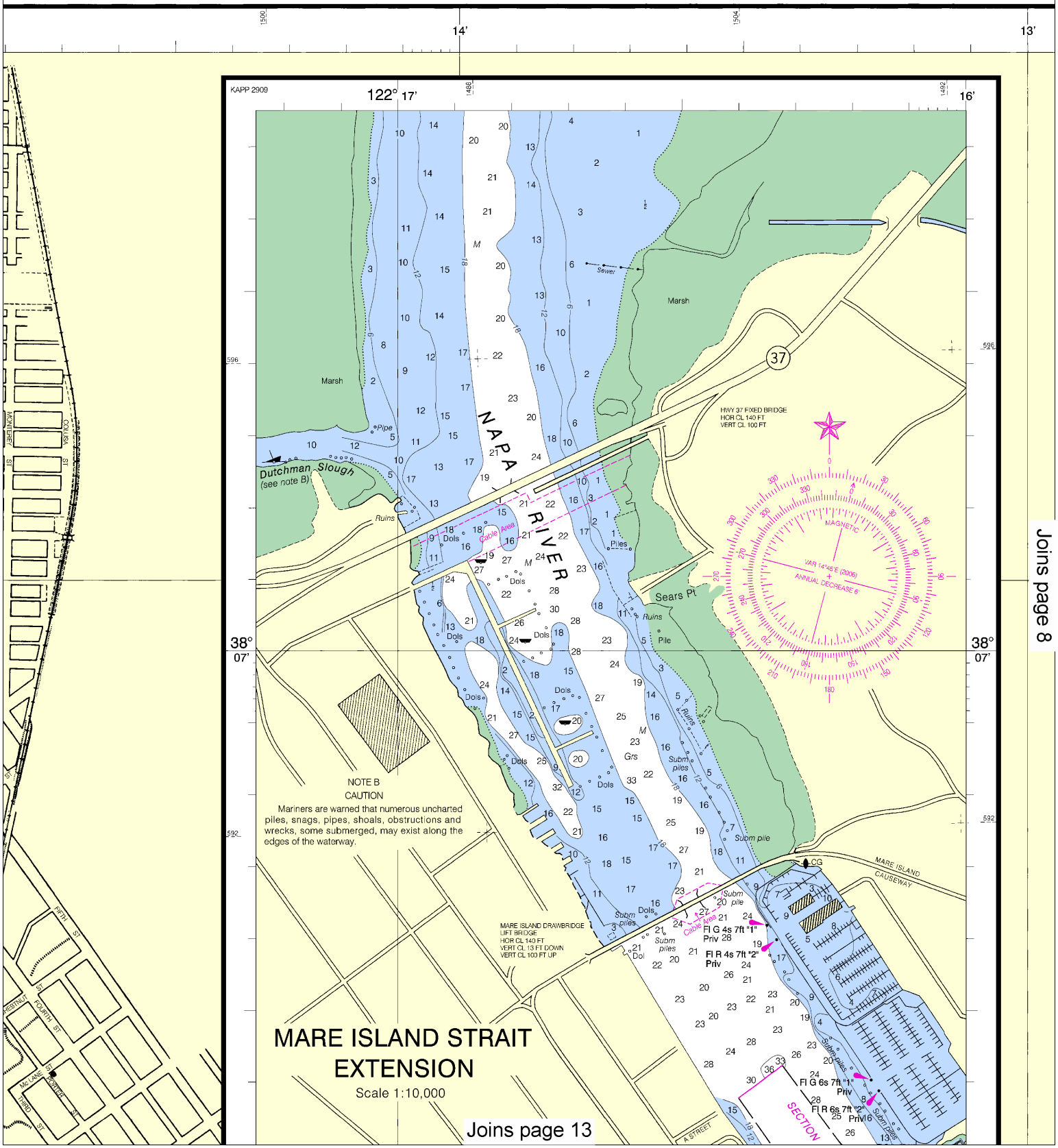
6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

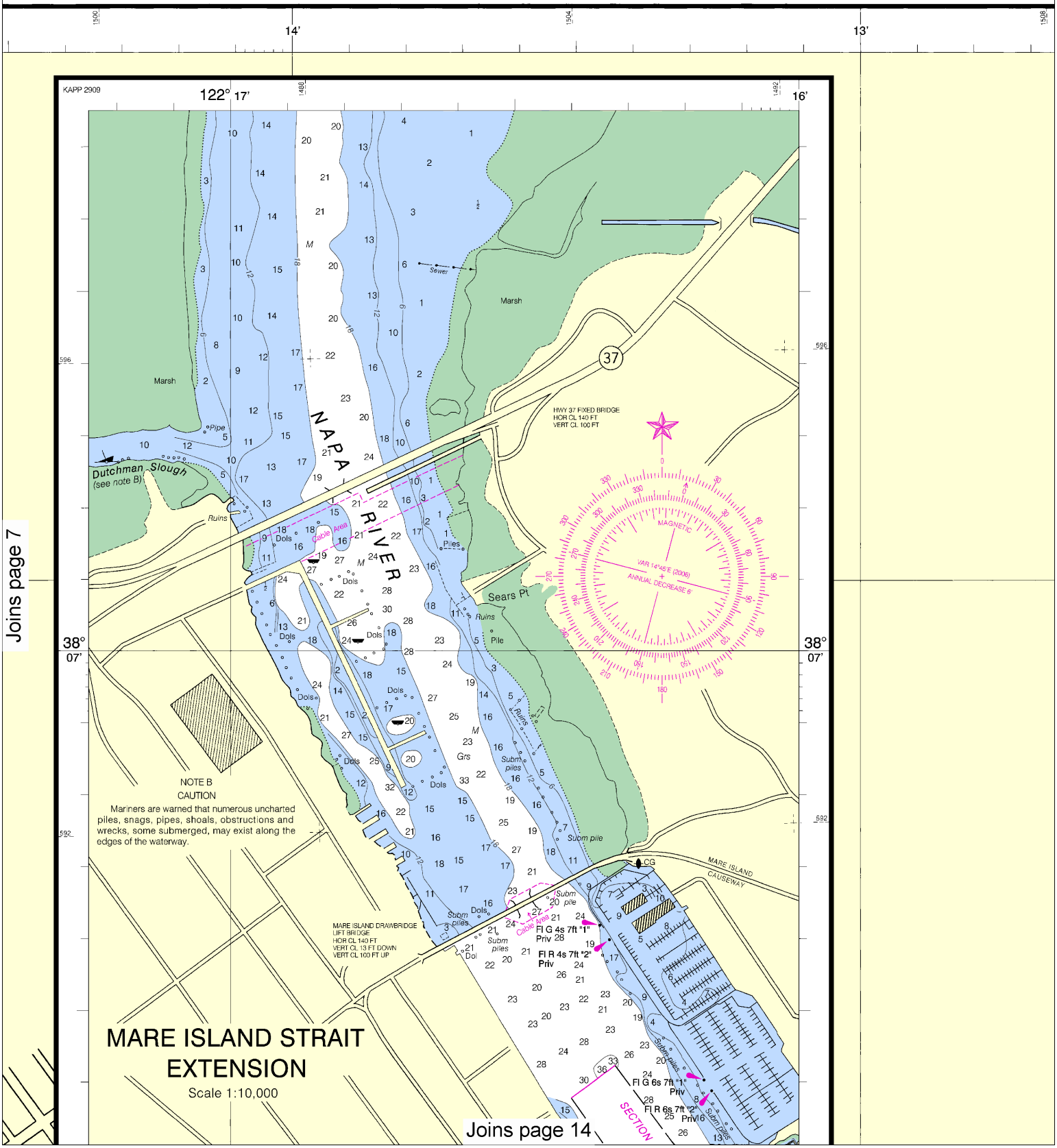
Nautical Miles
0

Yards
200 0 200 400 600 800 1000 1200



Joins page 8

This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4612 11/13/2012,
NGA Weekly Notice to Mariners: 4812 12/1/2012,
Canadian Coast Guard Notice to Mariners: n/a.



8

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.

SOUNDINGS IN FEET

122° 12'

38°06'44"N

122°11'04"W

SCALE 1:10,000

Nautical Miles

½ 0 ½

Statute Miles

½ 0 ½

Yards

200 0 200 400 600 800 1000 1200

NOAA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

U.S. DEPARTMENT OF COMMERCE

COAST SURVEY

UNITED STATES - WEST COAST

CALIFORNIA

MARE ISLAND STRAIT

38° 06'

Mercator Projection
Scale 1:10,000 at Lat 38° 05'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

(21) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

PLANE COORDINATE GRID
(based on NAD 1927)

The California State Plane Coordinate Grid (Zone III) is indicated on this chart at 4,000 foot intervals, thus: -+-
The last three digits are omitted.

POLLUTION REPORTS

Report all spills of oil and hazardous sub-

AUTHORITIES

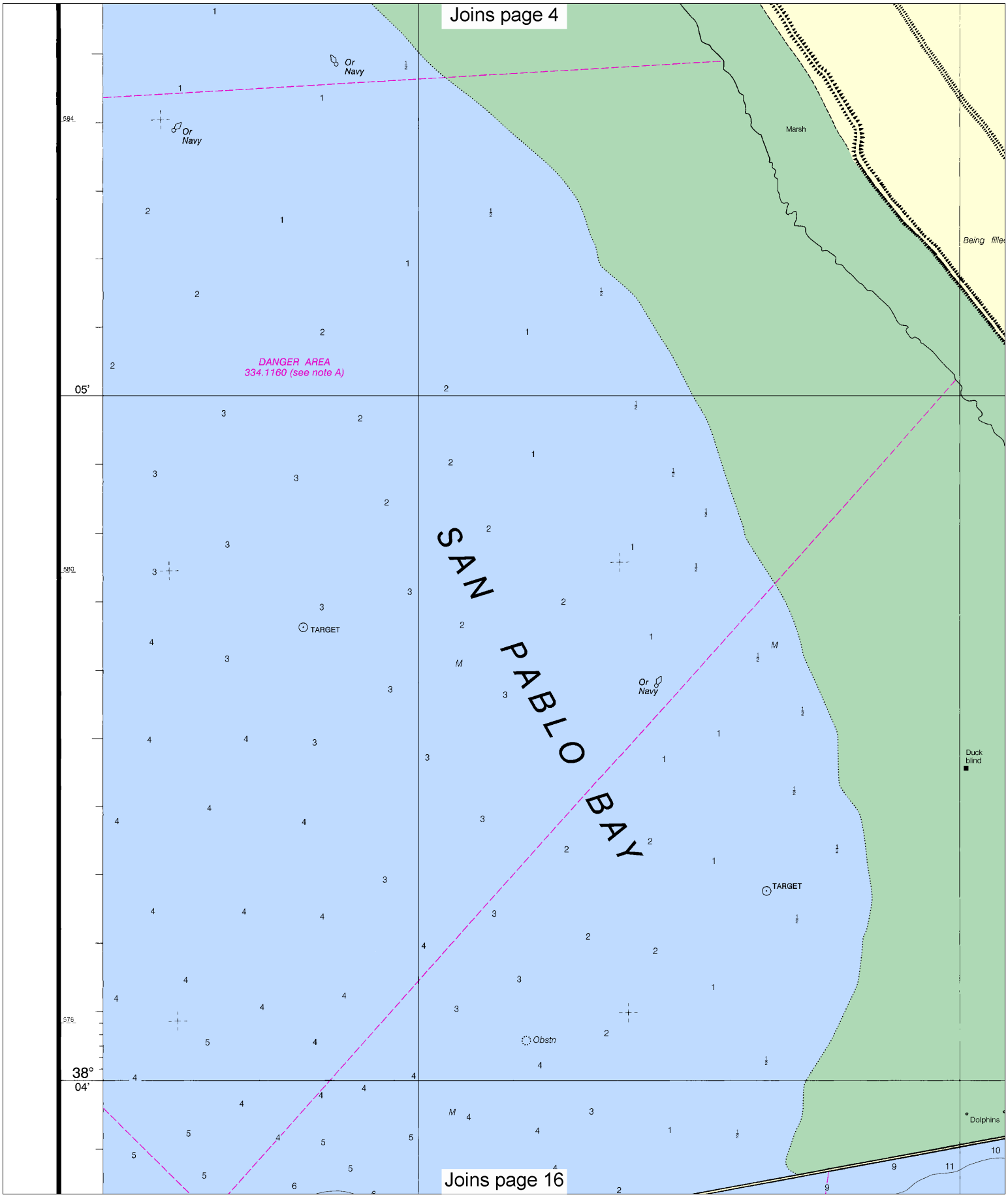
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Department of the Navy.

HEIGHTS

Elevations of rocks, bridges, landmarks and lights in feet above Mean High Water. Contour and summit elevations in feet above Mean Sea Level.

HORIZONTAL DATUM

The horizontal Joins page 15 is North American Datum (charting



10

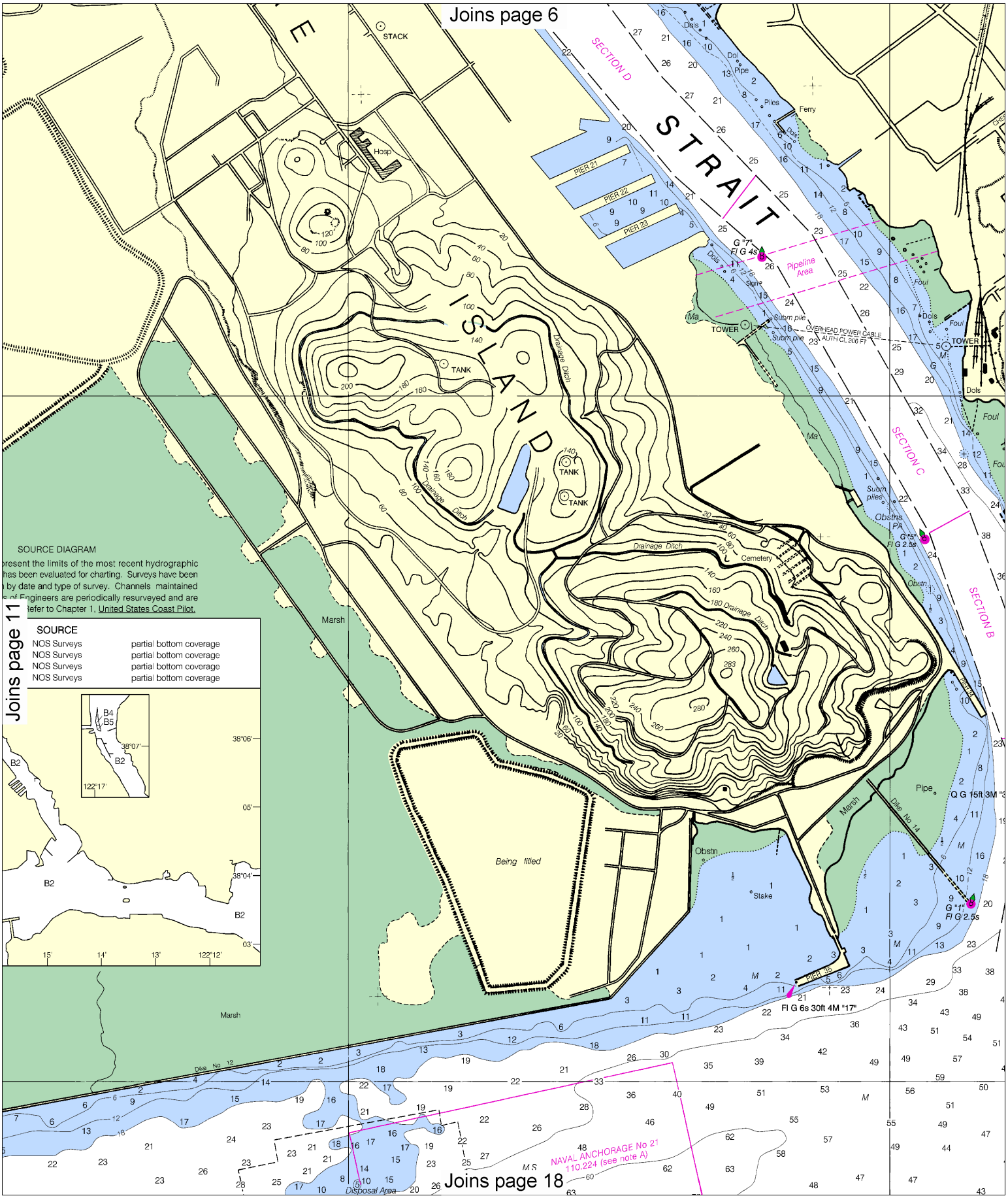
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

Nautical Miles
0

Yards
200 0 200 400 600 800 1000 1200


Joins page 5
STACK
Hosp
SECTION D
STRAIT
PIER 21
PIER 22
PIER 23
Ferry
Piles
Pipe
Dolphins
G "7"
Fl G 4s
Pipeline Area
Subm pile
TOWER
OVERHEAD PC
AUTH CA
ISLAND
TANK
TANK
TANK
Drainage Ditch
Cemetery
Marsh
Being filled
Obstn
Stake
Pile
PIER 25
Fl G 6s 30ft 4M "
Dike No 12
NAVAL ANCHORAGE No 21
110.224 (see note A)
M S
Joins page 17
Joins page 12
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.
SOURCE
B2 1970-1989 NOS Surveys partial bottom coverage
B3 1940-1969 NOS Surveys partial bottom coverage
B4 1900-1939 NOS Surveys partial bottom coverage
B5 Pre-1900 NOS Surveys partial bottom coverage
B2
B3
B4
B5
38°06'
38°07'
38°04'
05'
03'
122°18'
17'
16'
15'
14'
13'
122°12'
122°17'



12

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

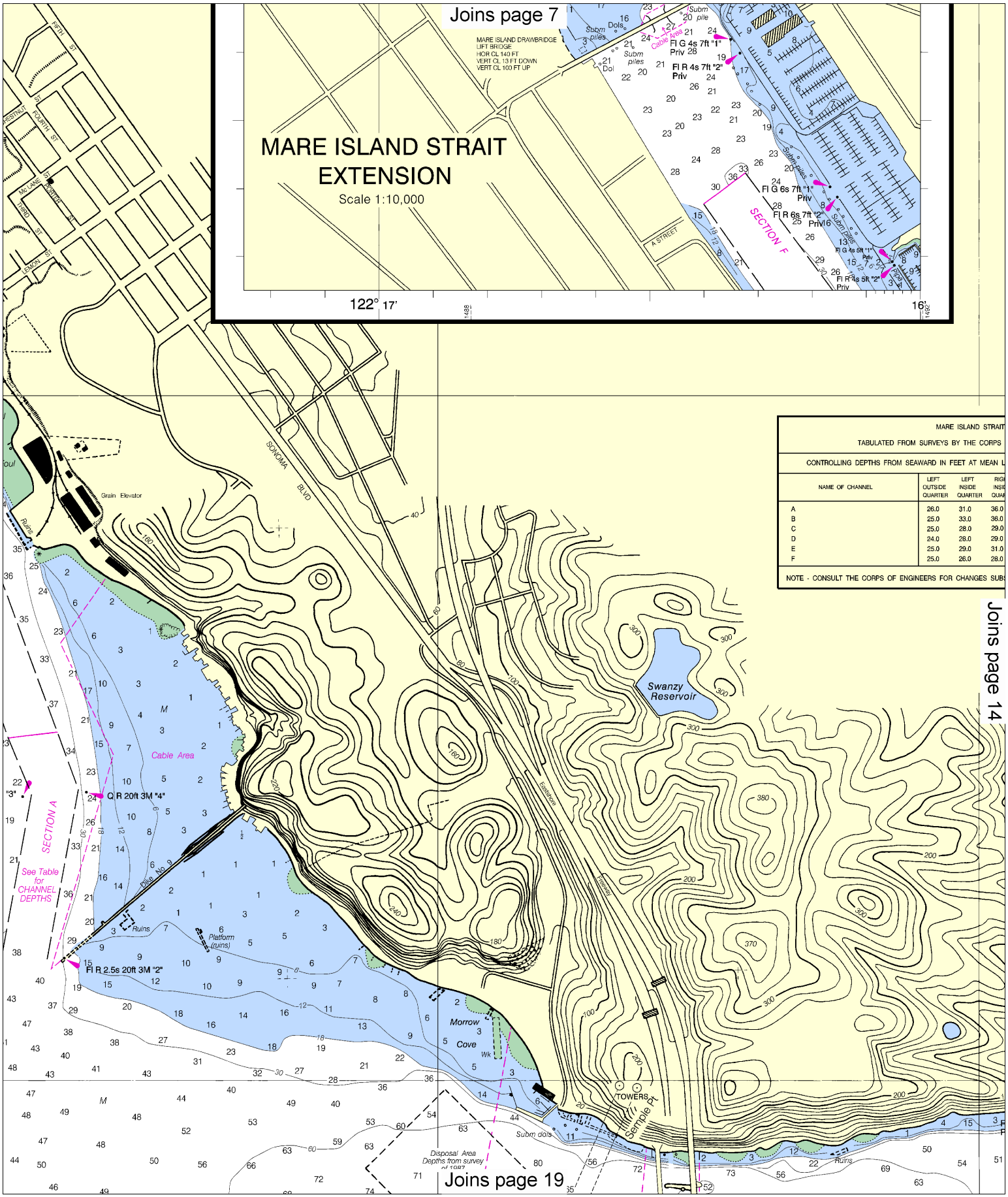
Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.



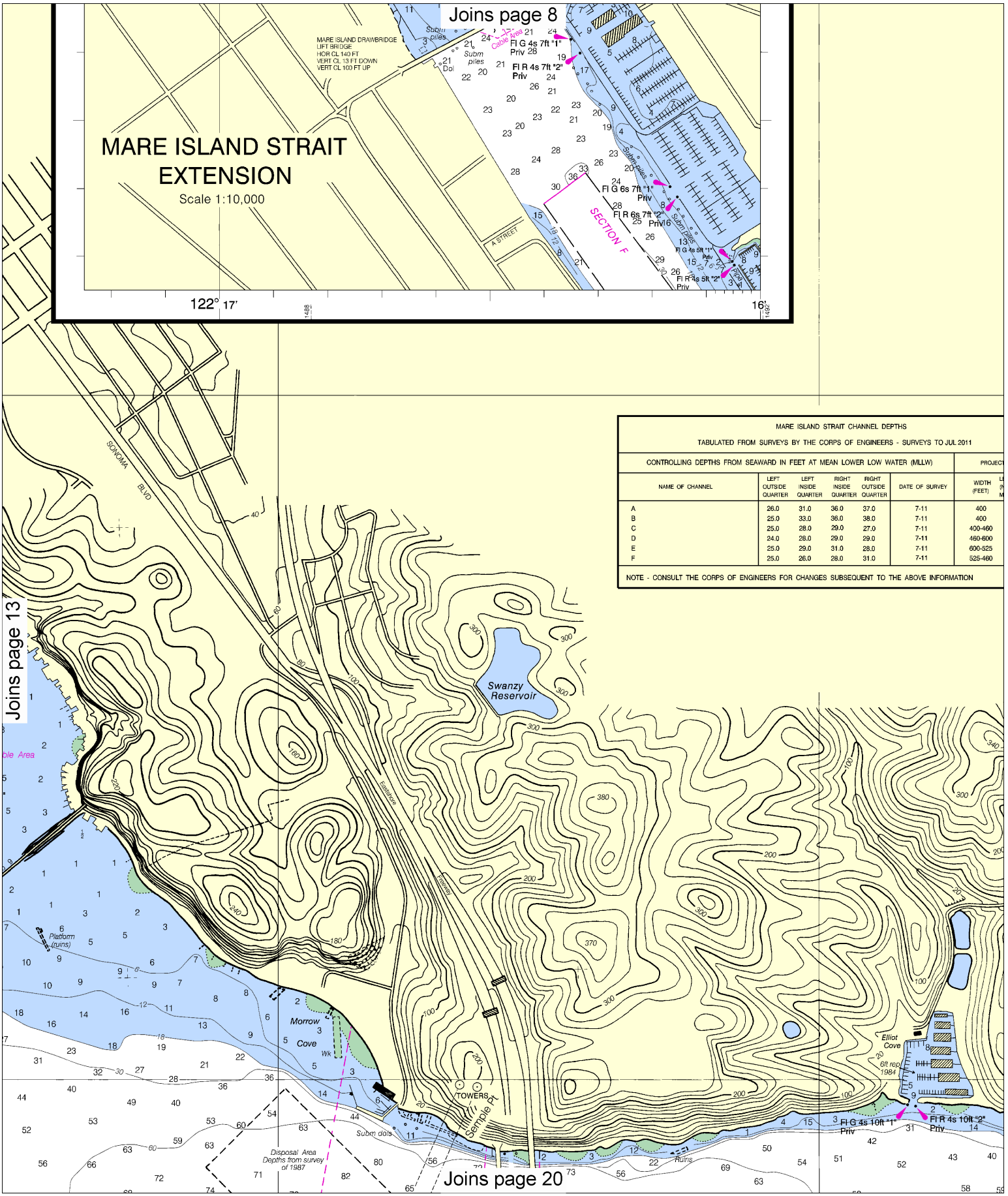
MARE ISLAND STRAIT

TABULATED FROM SURVEYS BY THE CORPS

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN L

NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGH INSID QUAR
A	26.0	31.0	36.0
B	25.0	33.0	36.0
C	25.0	28.0	29.0
D	24.0	28.0	29.0
E	25.0	29.0	31.0
F	25.0	26.0	28.0

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUB



MARE ISLAND STRAIT CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2011

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
A	26.0	31.0	36.0	37.0	7-11	400
B	25.0	33.0	36.0	38.0	7-11	400
C	25.0	28.0	29.0	27.0	7-11	400-460
D	24.0	28.0	29.0	29.0	7-11	460-600
E	25.0	29.0	31.0	28.0	7-11	600-525
F	25.0	26.0	28.0	31.0	7-11	525-460

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.

Cy clay Grs grass M mud S sand

Joins page 9

Miscellaneous:

AUTH authorized Obstn obstruction PD position doubtful Subm submerged
ED existence doubtful PA position approximate Rep reported

(21) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

PLANE COORDINATE GRID

(based on NAD 1927)

The California State Plane Coordinate Grid (Zone III) is indicated on this chart at 4,000 foot intervals, thus: -+-
The last three digits are omitted.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Department of the Navy.

HEIGHTS

Elevations of rocks, bridges, landmarks and lights in feet above Mean High Water. Contour and summit elevations in feet above Mean Sea Level.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.285" southward and 3.887" westward to agree with this chart.

TIDAL INFORMATION

PLACE NAME	(LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Selby, Carquinez Strait	(38°03'N/122°15'W)	6.3	5.8	1.1
Crockett, Carquinez Strait	(38°04'N/122°13'W)	5.9	5.4	1.0
Mare Island Strait	(38°07'N/122°16'W)	5.9	5.4	0.9

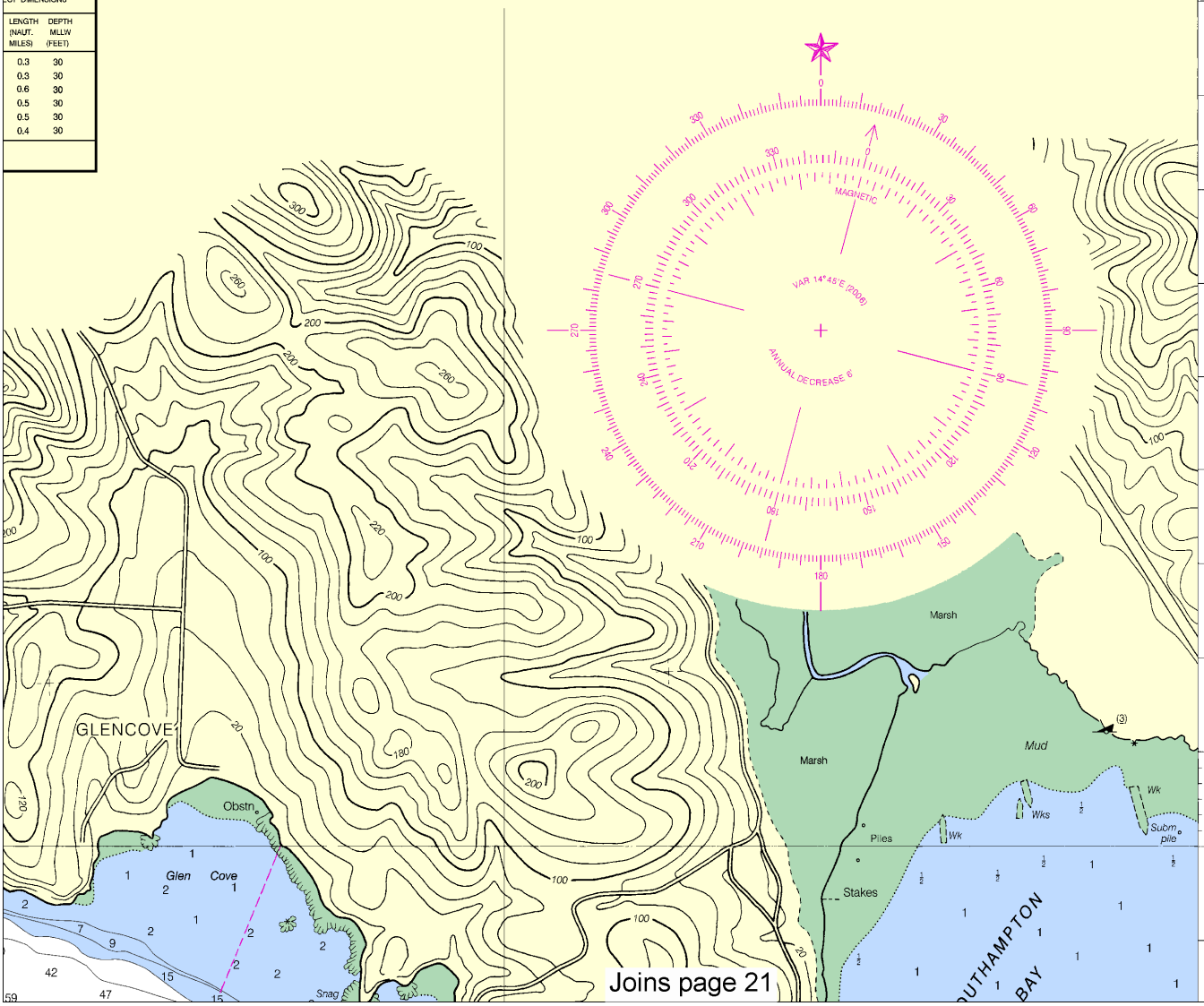
NOTE: Note this chart also was requested for meter conversion.

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

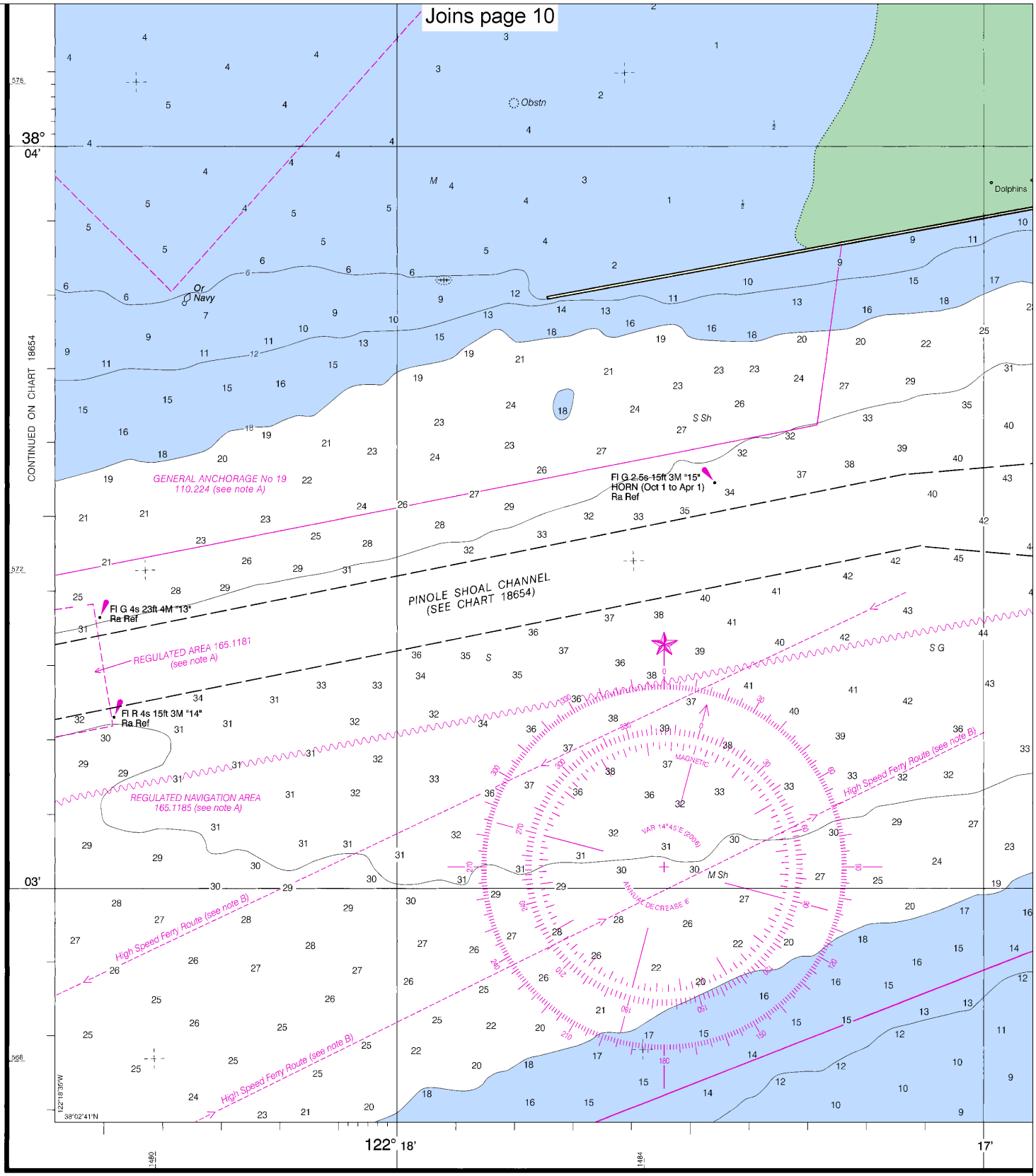
(Oct 2006)

ECT DIMENSIONS

LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
0.3	30
0.3	30
0.6	30
0.5	30
0.5	30
0.4	30



Joins page 21



59th Ed., Oct. / 06 ■ Corrected through NM Oct. 21/06
Corrected through LNM Oct. 17/06

18655

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

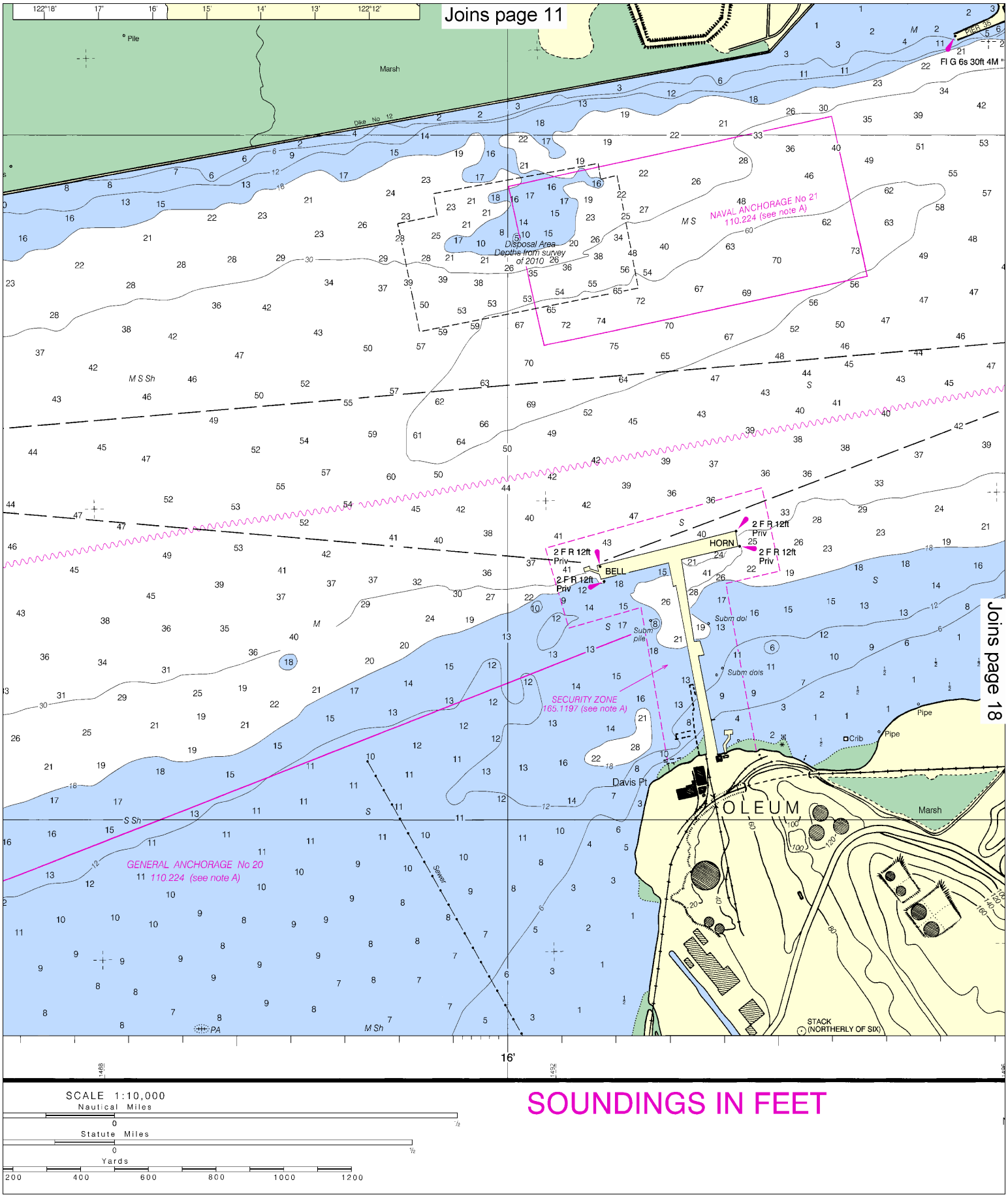
200 0 2

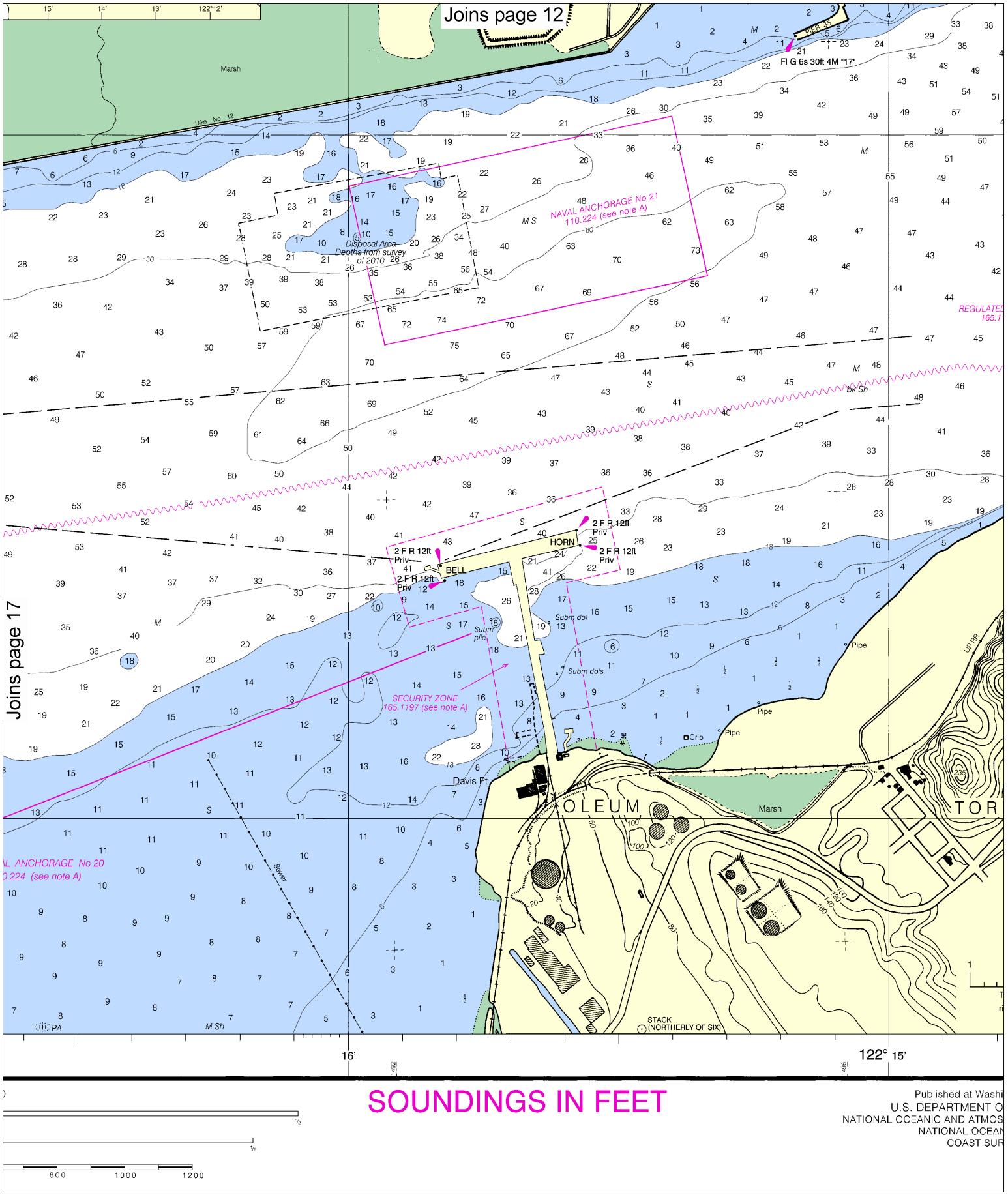
16

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~ See Note on page 5.

Nautical Miles
0
Yards
200 0 200 400 600 800 1000 1200


Joins page 11
Joins page 18
122°18'
17'
16'
15'
14'
13'
122°12'
Pile
Marsh
Dike No 12
Dike 35
Fl G 6s 30ft 4M
NAVAL ANCHORAGE No 21
110.224 (see note A)
M S
Disposal Area
Depths from survey
of 2010
M S Sh
2 F R 12ft
Priv
BELL
HORN
Subm dol
Subm pile
SECURITY ZONE
165.1197 (see note A)
Subm dols
Pipe
Crib
Davis Pt
OLEUM
Marsh
GENERAL ANCHORAGE No 20
11 110.224 (see note A)
Sewer
S Sh
M Sh
PA
STACK
(NORTHERLY OF SIX)
16'
SCALE 1:10,000
Nautical Miles
Statute Miles
Yards
200
400
600
800
1000
1200
SOUNDINGS IN FEET



Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

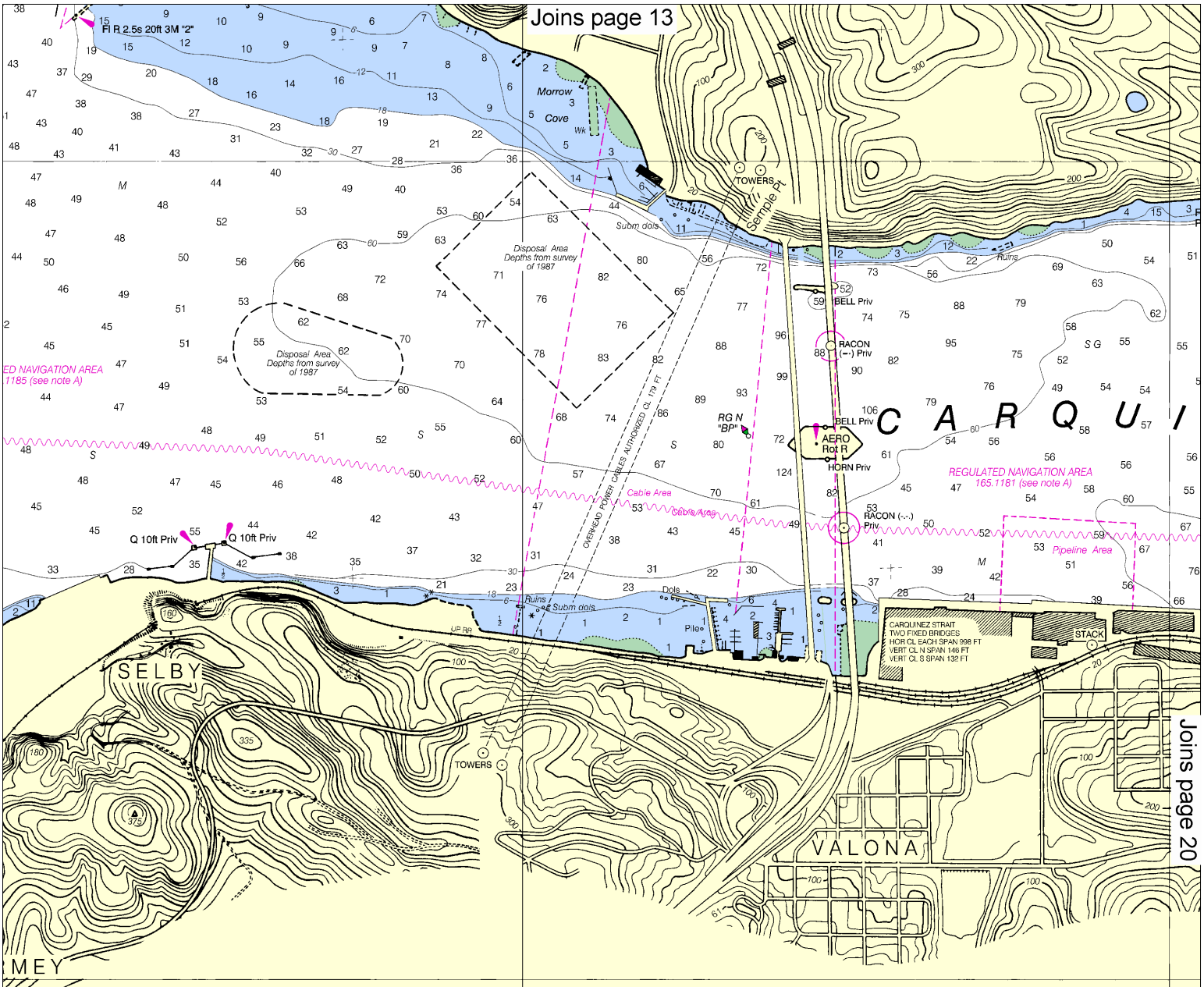
Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.



NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 11th Coast Guard District in Alameda, California or at the Office of the District Engineer, Corps of Engineers in San Francisco, California.

Refer to charted regulation section numbers.

Note B

High speed ferries operate in the San Francisco Bay. Mariners are cautioned that these craft move very rapidly and may transit waterways at angles to the normal direction of traffic. Ferries may deviate from these routes if necessary. Mariners should exercise caution when transiting between the the origin or terminus of a charted ferry route and actual ferry docking facility. Go to www.sfmx.org for additional information on the Ferry Traffic Routing Protocol.

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

CAUTION

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CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

Consult U
supplemental
navigation.

The prude
any single ai
floating aids.
and U.S. Coa

LOGARITHMIC SPEED SCALE

2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

14’ 13’

1500 1504

hington, D.C.
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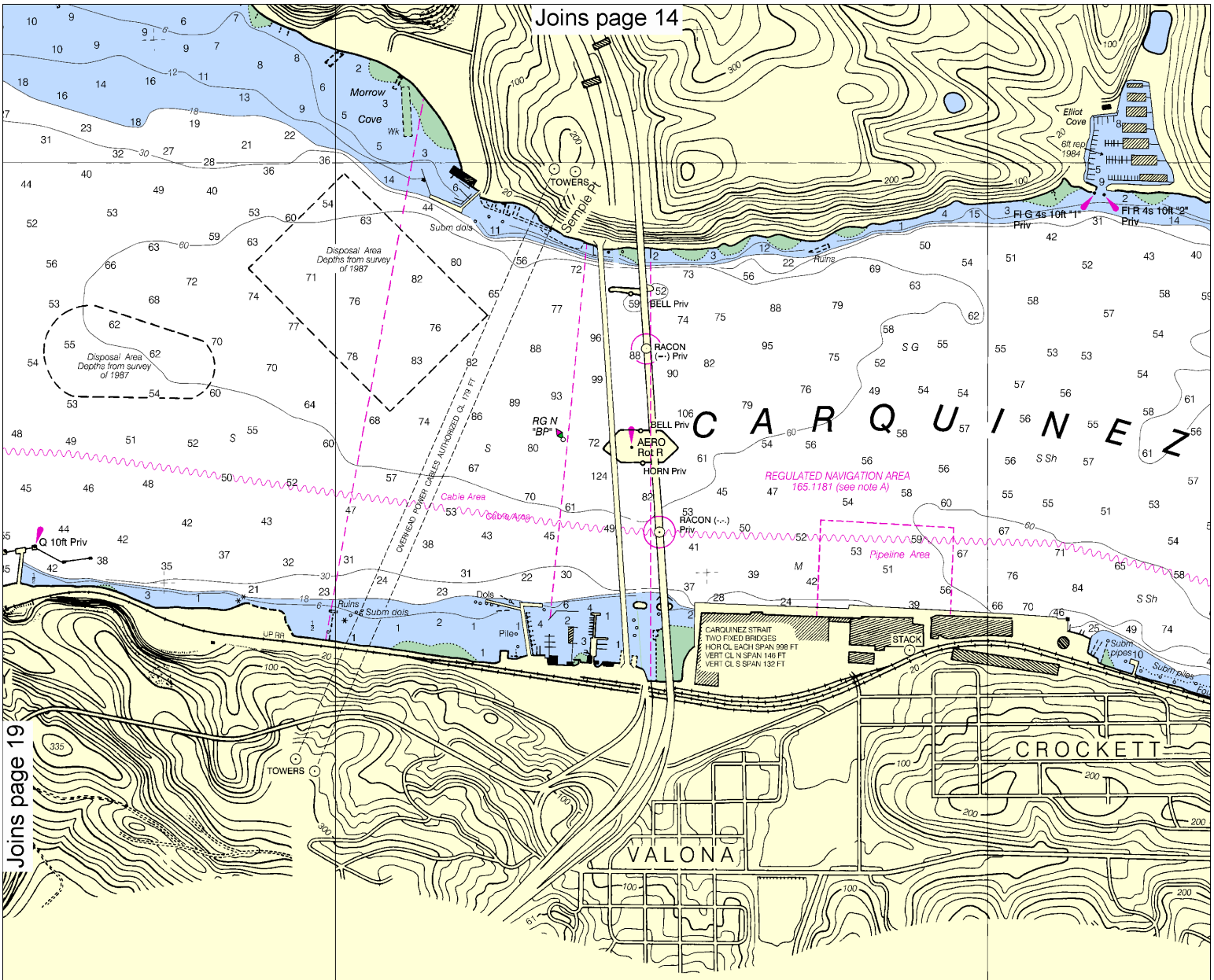
SPHERIC ADMINISTRATION
AN SERVICE
URVEY

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, http://NauticalCharts.gov, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, http://OceanGrafix.com, or help@OceanGrafix.com.



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AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

LOGARITHMIC SPEED SCALE

4 5 6 7 8 9 10 15 20 25 30 40 50 60

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FATHOMS	1
FEET	6
METERS	1 2

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:10,000~~

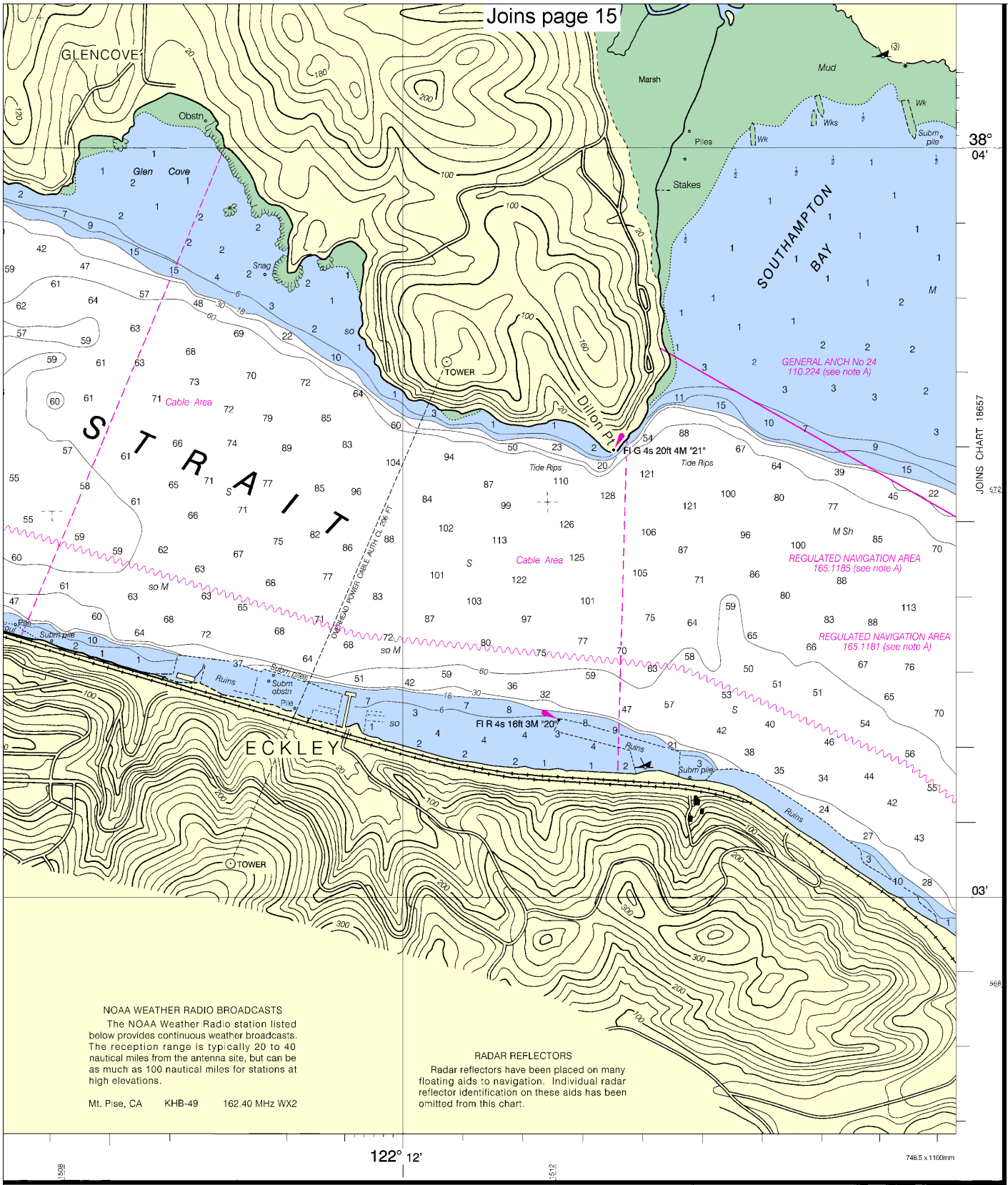
Nautical Miles

0

Yards

200 0 200 400 600 800 1000 1200

See Note on page 5.



NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Mt. Pise, CA KHB-49 162.40 MHz WX2

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

748.5 x 1100mm

ED NO. 59

NSN 7642014011528 NGA REFERENCE NO. 18AHA18655

Mare Island Strait

SOUNDINGS IN FEET - SCALE 1:10,000

18655

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

All Hazards NOAA Weather Radio NOAA's National Weather Service

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information	—	**http://www.nauticalcharts.noaa.gov**
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Report a chart discrepancy	—	**http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx**
Chart and chart related inquiries and comments	—	**http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs**
Chart updates (LNM and NM corrections)	—	**http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html**
Coast Pilot online	—	**http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm**
Tides and Currents	—	**http://tidesandcurrents.noaa.gov**
Marine Forecasts	—	**http://www.nws.noaa.gov/om/marine/home.htm**
National Data Buoy Center	—	**http://www.ndbc.noaa.gov/**
NowCoast web portal for coastal conditions	—	**http://www.nowcoast.noaa.gov/**
National Weather Service	—	**http://www.weather.gov/**
National Hurrican Center	—	**http://www.nhc.noaa.gov/**
Pacific Tsunami Warning Center	—	**http://ptwc.weather.gov/**
Contact Us	—	**http://www.nauticalcharts.noaa.gov/staff/contact.htm**

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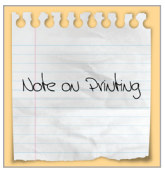

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NOAA's Office of Coast Survey The Nation's Chartmaker